



## VRAP Water Quality Standards

Parameter	Class A Standard	Class B Standard												
Chloride (mg/L)	Chronic standard is <b>230 mg/L</b> Acute standard is <b>860 mg/L</b>													
Chlorophyll-a (mg/L)	No Numeric Standard <table><tr><th>Unit</th><th>Category</th></tr><tr><td>&lt; 3</td><td>Excellent</td></tr><tr><td>3 – 7</td><td>Good</td></tr><tr><td>7 – 15</td><td>Less than desirable</td></tr><tr><td>&gt; 15</td><td>Nuisance</td></tr></table>		Unit	Category	< 3	Excellent	3 – 7	Good	7 – 15	Less than desirable	> 15	Nuisance		
Unit	Category													
< 3	Excellent													
3 – 7	Good													
7 – 15	Less than desirable													
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Conductivity/ Specific Conductance (umhos/cm)	No Numeric Standard <table><tr><th>Unit</th><th>Category</th></tr><tr><td>0 – 100</td><td>Normal</td></tr><tr><td>101 – 200</td><td>Low Impact</td></tr><tr><td>201 – 500</td><td>Moderate Impact</td></tr><tr><td>&gt; 501</td><td>High Impact</td></tr></table>		Unit	Category	0 – 100	Normal	101 – 200	Low Impact	201 – 500	Moderate Impact	> 501	High Impact		
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Dissolved Oxygen (mg/L & %)	<b>6 mg/L</b> 75% Minimum Daily Average; Unless Naturally Occurring	<b>5 mg/L</b> 75% Minimum Daily Average; Unless Naturally Occurring												
E. coli (Counts)	Geometric mean of <b>≤47 E. coli cts/100 mL</b> based on at least 3 samples obtained over a 60-day period <b>≤153 E. coli cts/100 mL</b> in any 1 sample	Geometric mean of <b>≤126 E. coli cts/100 mL</b> based on at least 3 samples obtained over a 60-day period <b>≤ 406 E. coli cts/100 mL</b> in any 1 sample												
pH (Units)	<b>6.5 – 8.0</b> Unless Naturally Occurring <table><tr><th>pH (Units)</th><th>Category</th></tr><tr><td>&lt;5.0</td><td>High Impact</td></tr><tr><td>5.0 – 5.9</td><td>Moderate to High Impact</td></tr><tr><td>6.0 – 6.4</td><td>Normal; Low Impact</td></tr><tr><td>6.5 – 8.0</td><td>Normal;</td></tr><tr><td>6.1 – 8.0</td><td>Satisfactory</td></tr></table>		pH (Units)	Category	<5.0	High Impact	5.0 – 5.9	Moderate to High Impact	6.0 – 6.4	Normal; Low Impact	6.5 – 8.0	Normal;	6.1 – 8.0	Satisfactory
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Total Phosphorus (mg/L)	No Numeric Standard. As Naturally Occurs <table><tr><th>Unit</th><th>Category</th></tr><tr><td>&lt; 0.010</td><td>Ideal</td></tr><tr><td>0.011 – 0.025</td><td>Average</td></tr><tr><td>0.026 – 0.050</td><td>More than desirable</td></tr><tr><td>&gt; 0.051</td><td>Excessive (potential nuisance concentration)</td></tr></table>		Unit	Category	< 0.010	Ideal	0.011 – 0.025	Average	0.026 – 0.050	More than desirable	> 0.051	Excessive (potential nuisance concentration)		
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Total Kjeldahl Nitrogen (mg/L)	No Numeric Standard. As Naturally Occurs <table><tr><th>Unit</th><th>Category</th></tr><tr><td>&lt; 0.25</td><td>Ideal</td></tr><tr><td>0.26 – 0.40</td><td>Average</td></tr><tr><td>0.41 – 0.50</td><td>More than desirable</td></tr><tr><td>&gt; 0.51</td><td>Excessive (potential nuisance concentration)</td></tr></table>		Unit	Category	< 0.25	Ideal	0.26 – 0.40	Average	0.41 – 0.50	More than desirable	> 0.51	Excessive (potential nuisance concentration)		
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> 0.51	Excessive (potential nuisance concentration)													
Turbidity (NTU)	As Naturally Occurs	Shall not exceed naturally occurring conditions by more than 10 NTU												

### New Hampshire Volunteer River Assessment Program

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